

# Nasal Airflow Pressure and Snore Transducer

## BiNaps®

BiNAPS® is a diagnostic pressure transducer device for use during sleep disorder studies. It will receive airflow/snore pressure signals via Salter Labs® Sleep Diagnostic Oral-Nasal Cannulas, process through a special piezo type pressure transducer and deliver an accurate signal to your polysomnograph input box. The exclusive integral lead verification tester has a green light to indicate functional leads from the BiNAPS to your input box.

- Detect Airflow Pressure and Snore changes
- No battery required
- Compact and lightweight
- Integral circuit tester/indicator for lead verification
- Self adhering hook and loop mounting patch included

ITEM	DESCRIPTION	PK
5500	BiNAPS Nasal Airflow Pressure/Snore Transducer	1



## Airflow Lead Adapter

- For use with Alice® 5 PSG System.
- Adapter allows conversion to 1.5mm DIN connector permitting usage of the BiNAPS® transducer.

ITEM	DESCRIPTION	PK
5520-0-1	Airflow Lead Adapter	1



## Oral-Nasal Thermal Airflow Sensing System

ThermiSense® is a diagnostic thermistor temperature sensing system for use during sleep disorder studies. It delivers an accurate signal to the head box of your PSG recorder. The cannula/holder allows the ThermiSense thermistor to be placed in the optimal position to accurately sense the oral-nasal thermal airflow changes as well as the nasal pressure signal when used with the BiNAPS® unit or other nasal pressure sensing device. This combination meets the AASM guidelines for nasal pressure and oral-nasal thermal airflow sensing.

- Accurately detects events: Apnea/Hypopnea/Flow limitation
- The reusable thermistor mounts on disposable cannula/holder to capture Oral-Nasal airflow signal, reducing potential of skin contact
- The system contains an integral circuit tester to check both the head box leads and thermistor for continuity
- Rugged, Kevlar® tensile cables for product durability
- Compatible with most major PSG systems



ITEM	SIZE	SENSOR	THERMISTOR WIRE	COMPONENTS	PK
5700	Standard Adult Kit*	–	–	5700B, 5700T, 5751, 5761, 1001	1
5700P	Standard Pediatric Kit*	–	–	5700B, 5700PT, 5754, 5755, 1001	1
5700A4	Adult	Alice 4	–	5700T and Lemo Connector Cable 5751, 5761, 1001	1
5700A5	Adult	Alice 5	6' (1.83 m) with 1.5 mm DIN	5754, 5755, 1001	1
5700PA5	Pediatric	Alice 5	6' (1.83 m) with 1.5 mm DIN	5754, 5755, 1001	1
5700E	Adult	Embla	7' (2.13 m) with 1.5 mm DIN	5751, 5761, 1001	1
5700PE	Pediatric	Embla	7' (2.13 m) with 1.5 mm DIN	5754, 5755, 1001	1
5700EK	Adult	Embla	7' (2.13 m) with Keyhole Connector	5751, 5761, 1001	1
5700PEK	Pediatric	Embla	7' (2.13 m) with Keyhole Connector	5754, 5755, 1001	1
5700EK-2	Adult	Embla	30" (0.76 m) with Keyhole Connector	5751, 5761, 1001	1
5700PEK-2	Pediatric	Embla	30" (0.76 m) with Keyhole Connector	5754, 5755, 1001	1

\*5700 Standard Kit Available for Most 1.5mm DIN PSG Systems



### ACCESSORIES

ITEM	SIZE	DESCRIPTION	PK
5700B	–	ThermiSense Interface Box	1
5700T	Adult	Sensor	1
5700PT	Pediatric	Sensor - Available Separately	1
1001-0-25	–	Replacement Filter Package	25

# Thermistor Cannulas

## ThermiSense® Cannula

Features a patented pocket/holder to secure ThermiSense® thermistor in place.

- Nasal only, pressure and snore monitoring
- Nasal only, pressure and EtCO<sub>2</sub> gas sampling
- Oral-Nasal, pressure and snore monitoring
- Oral-Nasal, pressure and EtCO<sub>2</sub> gas sampling



### ORAL-NASAL

ITEM	SIZE	FILTER	AIRFLOW PRESSURE TUBE	ETCO <sub>2</sub> TUBE	PK
5760-7-25	Adult	Yes	7' (2.13 m)	-	25
5761-7-25	Adult	-	7' (2.13 m)	-	25
5744-7-7-25	Adult	-	7' (2.13 m)	7' (2.13 m)	25
5755-7-7-25	Pediatric	-	7' (2.13 m)	7' (2.13 m)	25

### NASAL ONLY

ITEM	SIZE	FILTER	AIRFLOW PRESSURE TUBE	ETCO <sub>2</sub> TUBE	PK
5750-7-25	Adult	Yes	7' (2.13 m)	-	25
5751-7-25	Adult	-	7' (2.13 m)	-	25
5751-2-25	Adult	-	2' (0.61 m)	-	25
5742-7-7-25	Adult	-	7' (2.13 m)	7' (2.13 m)	25
5754-7-7-25	Pediatric	-	7' (2.13 m)	7' (2.13 m)	25

## PneumoTHERM™

PneumoTHERM™ is a single channel diagnostic thermocouple used during sleep disorder studies to accurately sense oral-nasal thermal airflow changes. The reusable thermocouple tips are insulated to eliminate contact noise artifacts, and delivers a reliable signal to the headbox of virtually all PSG recorders currently available.

- The reusable PneumoTHERM is compatible with standard Salter Labs® diagnostic cannulas. Kevlar® is a registered trademark of DuPont® 9 used with the Salter Labs BiNAPS® transducer.
- The disposable PneumoTHERM is compatible with either ThermiSense cannulas or standard Salter Labs diagnostic cannulas.
- Both meet AASM accreditation standards.

ITEM	DESCRIPTION	SIZE	PK
5810	Reusable Adapter Cable, Kevlar®	5' (1.52 m)	1
5800T	Disposable Sensor - Available Separately	Adult	10

# Sleep Diagnostic Cannulas

## Thermal Airflow Sensing System

- Airflow pressure and snore monitoring
- Unique, patented, anatomically correct design
- Curved tapered nasal prongs



*Oral trunk may be trimmed for optimal positioning*

### NASAL ONLY

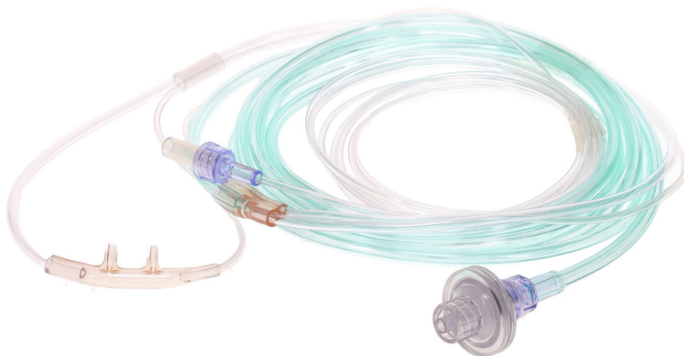
ITEM	SIZE	CONNECTOR	FILTER	TUBE	PK
5011-1-25	Adult	–	Yes	1' (0.30 m)	25
5011-2-25	Adult	–	Yes	2' (0.61 m)	25
5011-7-25	Adult	–	Yes	7' (2.13 m)	25
5012-1-25	Adult	Male/Female Luer Lok	–	1' (0.30 m)	25
5012-7-25	Adult	Male/Female Luer Lok	–	2' (0.61 m)	25
5022-7-25	Adult	Male/Female Luer Lok	–	7' (2.13 m)	25

### ORAL-NASAL SINGLE TRUNK

ITEM	SIZE	CONNECTOR	FILTER	TUBE	PK
5005-7-25	Adult	–	Yes	7' (2.13 m)	25
5006-7-25	Adult	Male/Female Luer Lok	–	7' (2.13 m)	25
5006-1-25	Adult	Male/Female Luer Lok	–	1' (0.30 m)	25
5006-2-25	Adult	Male/Female Luer Lok	–	2' (0.61 m)	25
5037-7-25	Pediatric	–	Yes	7' (2.13 m)	25

## Salter-Lite™ Cannulas with Gas Sampling

- Combined airflow, pressure and snore monitoring with EtCO<sub>2</sub> gas sampling
- Uses a smaller, lighter facepiece that insures a secure anatomical fit and best possible signal integrity
- Contains a small gas sampling line and an airflow pressure and snore monitoring tube



*Oral trunk may be trimmed for optimal positioning*

### NASAL ONLY PRESSURE AND GAS SAMPLING

ITEM	SIZE	CONNECTOR	FILTER	TUBE	PK
5041-7-7-25	Adult	–	Yes	7' (2.13 m)	25
5042-7-7-25	Adult	Male/Female Luer Lok	–	7' (2.13 m)	25
5049-7-7-25	Pediatric	–	Yes	7' (2.13 m)	25
5050-7-7-25	Pediatric	Male/Female Luer Lok	–	7' (2.13 m)	25
5054-7-7-25	Pediatric	Male/Female Luer Lok	–	7' (2.13 m)	25

### ORAL-NASAL PRESSURE AND GAS SAMPLING

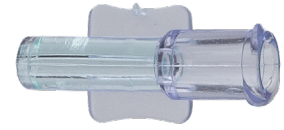
ITEM	SIZE	CONNECTOR	TUBE	PK
5044-7-7-25	Adult	Male/Female Luer Lok	7' (2.13 m)	25
5052-7-7-25	Adult	Male/Female Luer Lok	7' (2.13 m)	25
5056-7-7-25	Pediatric	Male/Female Luer Lok	7' (2.13 m)	25

# Accessories

ITEM	DESCRIPTION	PK
1001-0-25	Replacement Filter Pack	25
1004-0-25	Adapter Female Luer Lok® to Female Luer Lok®	25
1006-0-100	Tender Grip® Skin Fixation	100
1216-0-5	Female Luer-Style to Trumpet Adapter	5
1217-0-25	Hydrocolloid Strips	25 Pair



1001-0-25



1004-0-25



1216-0-5



1006-0-100



1217-0-25

# Connectors

These photos of various commonly used connectors are for identification purposes ONLY in selecting the correct ThermiSense® Kit for compatibility with your PSG Recorder.



Alice® 3

2 Pin Keyhole

Alice® 4

DIN 1.5mm